

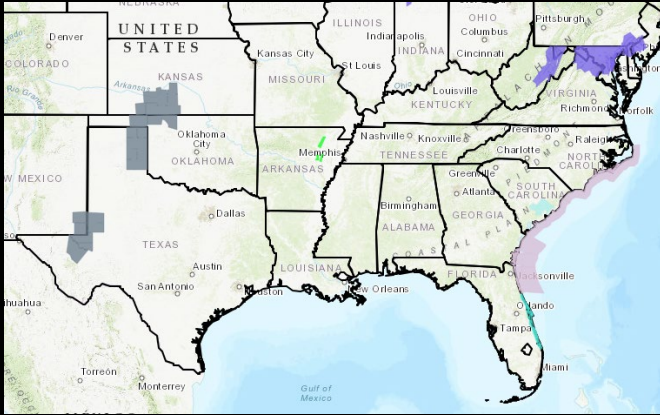


# SACC Daily Outlook

Monday, December 23, 2024

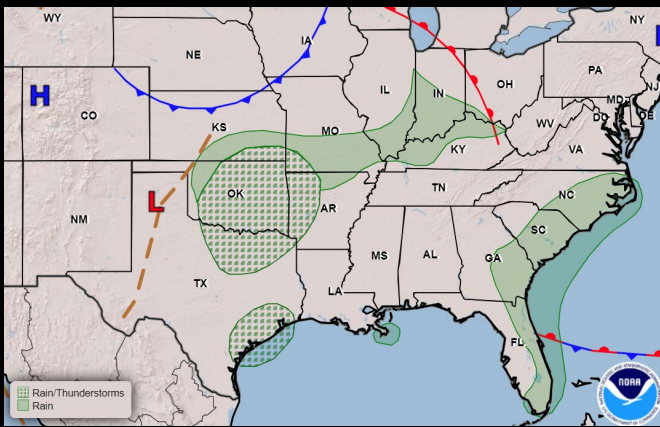


## Watches, Warnings and Advisories



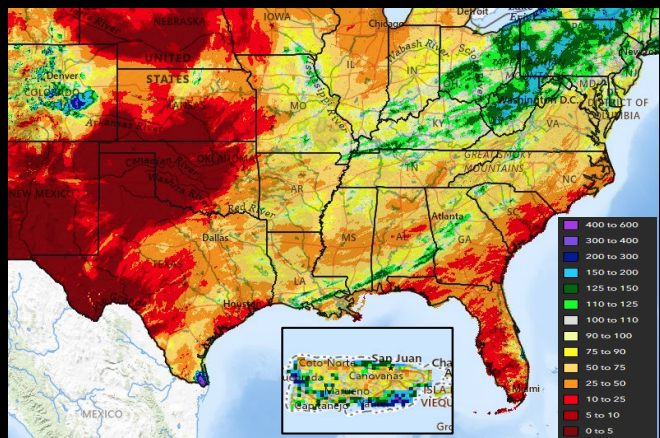
- **Dense Fog Advisories** this morning in parts of western TX and OK
- **Winter Weather Advisory** Tuesday in far northern VA
- **Flood Warnings** in AR

## Today's Weather Outlook



- A few showers and thunderstorms will develop across the Plains later today as low pressure organizes over the region; this activity will become more widespread overnight
- Any showers and storms farther south in TX will hold off until late tonight
- Another low pressure system is forecast to develop off the Southeast coast later today, bringing an increase in rainfall to coastal areas overnight, but most of the area will remain dry, with increasing clouds and breezy conditions along the coast today
- High pressure will hold on elsewhere, with dry air likely to maintain some risk for IA from parts of the Mid-Atlantic and Appalachians into the Lower Mississippi Valley

## 30-Day Percent of Normal Precipitation



- Most of the geographic area has experienced a drier than normal 30-day period, except for small parts of the Gulf coastal Plain, in addition to KY, northern TN and parts of VA
- No wetting rain has occurred over most of OK into northwestern and western TX in 35-40+ days, with similar conditions peppered across the coastal Southeast from FL to the eastern Carolinas
- Conditions are less dry from eastern TX into the Mississippi Valley and Appalachians, while there is considerable variability over the Caribbean islands
- Rain over the next week will likely bring central parts of the geographic area to a surplus, while western and eastern areas are likely to remain drier than is typical for this time of year

Please contact your local [National Weather Service](#) office for spot forecasts and the latest [watches and warnings](#).

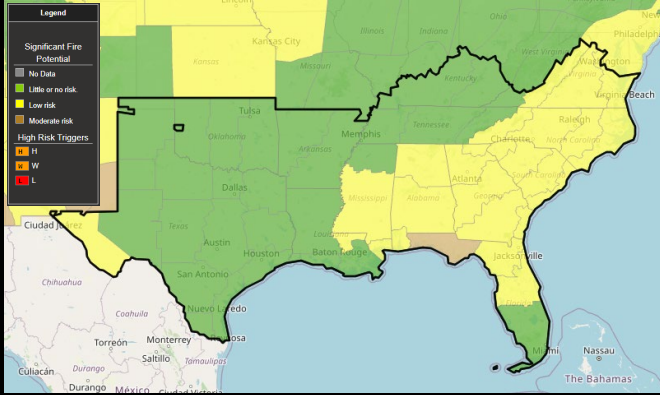


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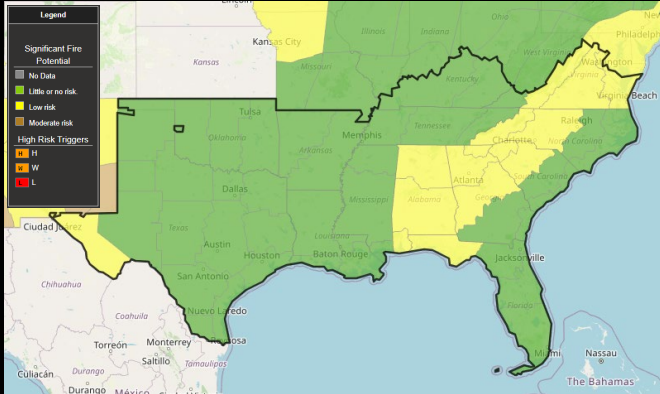


## Significant Fire Potential Outlook Today



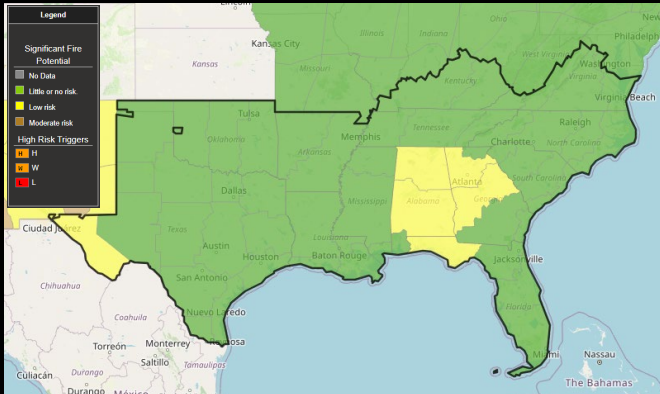
- RH is forecast to be as low as 20-30% across parts of the Appalachians this afternoon and scattered areas of the inland Southeast, while marginally dry fuels and higher RH than over the weekend will impact the Lower Mississippi Valley; most areas will see light winds
- Fuels are drier across the FL panhandle, while RH will be higher today than over the weekend
- Coastal areas from northeast FL through GA, SC and NC will see thickening clouds, while NE winds will gust as high as 30 mph along the immediate coast, with any rain holding off until overnight
- RH in the Trans Pecos will be as low as 5-10% amid potentially record high temperatures; downslope wind gusts up to 40 mph will occur just east of the ridges

## Significant Fire Potential Outlook Tuesday



- Dry air with minimum RH as low as 30% will affect the southern half of VA into parts of the southern Appalachians and Southeast tomorrow
- Winds in most of these areas will be light, but westerly gusts up to 30 mph will affect portions of the VA and NC mountains
- A cold front will drop through West TX tomorrow, but areas south of the front near the Rio Grande will see RH as low as 5-15%; winds will otherwise be lighter than today

## Significant Fire Potential Outlook Wednesday



- The fire environment will continue to moderate over the Southeast on Wednesday as humidity gradually increases
- Parts of AL into GA and northwest FL will see a continuation of fire-receptive fuels, while E/SE winds will increase a bit, with occasional gusts of 15-25 mph anticipated; minimum RH will be no lower than 40% and mostly higher
- Look for RH as low as 15% in the Trans Pecos, while near-record highs in the 60s and 70s will be common; SW to W winds are forecast to gust as high as 25-45 mph

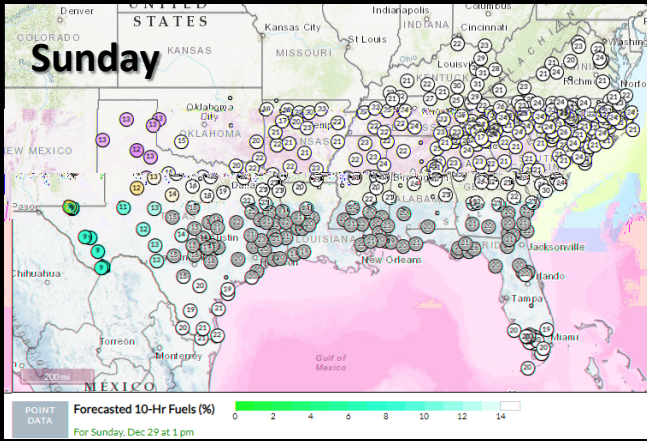


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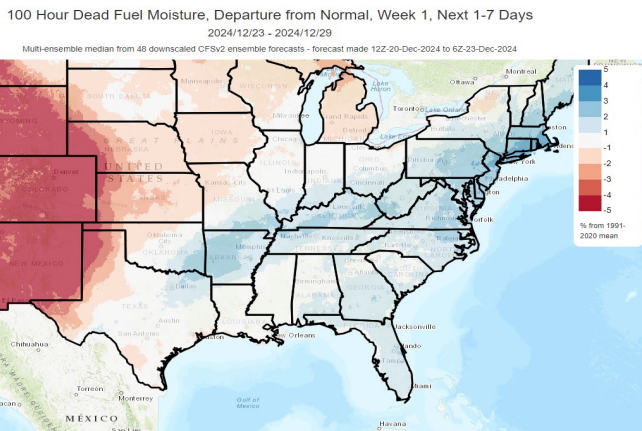


### 10-Hour Fuels



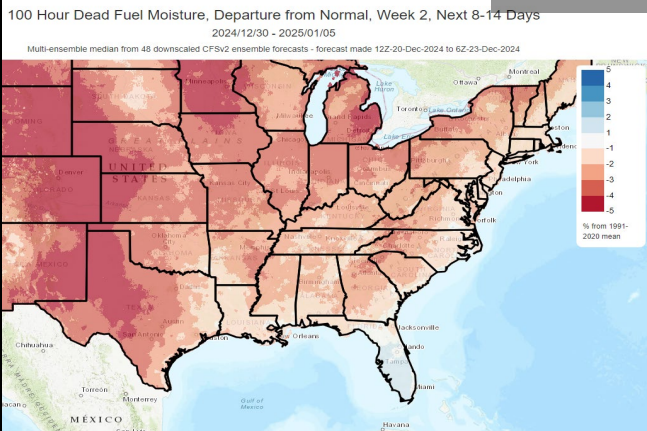
- 10-hour fuels will remain dry across interior parts of the Southeast through mid-week, though with a decreasing footprint as RH increases a bit each day; rain chances and higher RH will eventually overspread the area later this week into the weekend
- Far western areas will be on the dry side of a few storm systems that will bring rain to central and eastern TX and OK to the Mississippi Valley; look for abnormally dry 10-hour fuels into the end of the year
- Conditions elsewhere in far western OK and much of the western half of the TX will turn increasingly dry over the weekend, and values depicted on Sunday are likely to trend lower as a period of accelerated drying impacts the region this weekend into early next week

### 100-Hour Fuels This Week



- Weekly-averaged 100-hour dead fuel moisture (legacy/NFDRSv3) is depicted from the [Climate Toolbox](#)
- Areas in blue are forecast to see above normal 100-hour dead fuel moisture due to increasing precipitation chances and a lengthy period of humid conditions; these fuels in the Appalachians will initially be drier than normal the next few days before moisture quickly increases
- Far western TX and OK will be exposed to a longer period of drying, which will likely accelerate as warm, dry and breezy conditions overspread the Plains this weekend; well below normal 100FM is likely by this weekend, especially in the High Plains and Trans Pecos, with some extension into central and southern TX by Sunday or Monday

### 100-Hour Fuels Next Week



- Weekly-averaged 100-hour dead fuel moisture (legacy/NFDRSv3) is depicted for week two from the [Climate Toolbox](#)
- A significant pattern change is expected over the eastern United States near the end of the year, which will likely bring about a drying trend for most of the region
- Colder Arctic air and its associated dryness will bring below normal 100-hour dead fuel moisture to most of the geographic area, with the driest conditions relative to normal expected over TX and far western OK – at least a few days of 100FM below the 10<sup>th</sup> percentile and as low as the 3<sup>rd</sup> percentile appear possible
- Very dry but cold conditions will impact the rest of the region, with areas that miss out on rain later this week into early next week most likely to see abnormally dry 100-hour fuels as we head into early 2025
- While wildfire potential could trend up, conditions will also become favorable for prescribed fire where drought relief occurs and fuels dry out quickly

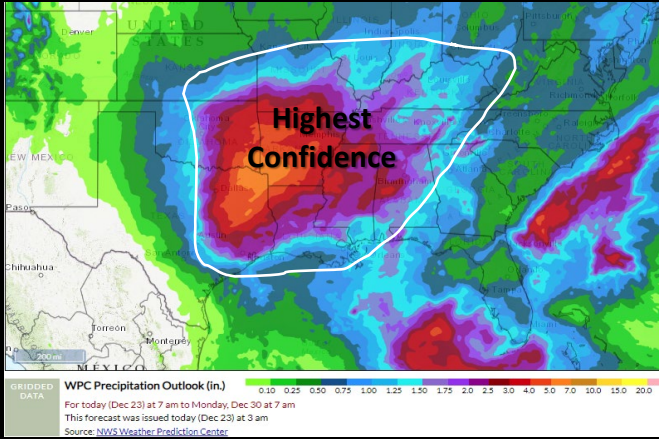


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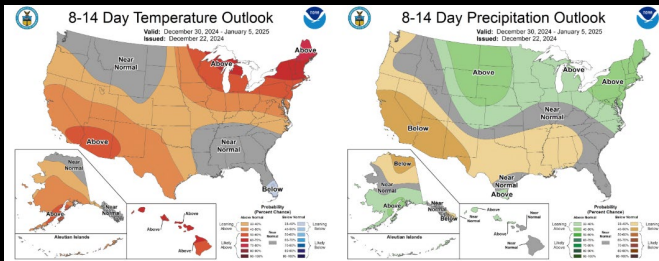


## Forecast Precipitation the Next Week



- At least two and likely three low pressure systems will impact the geographic area over the next week, with the focus for substantial rainfall likely to be on the eastern Plains and Mississippi Valley
- This is where confidence is highest in 1-3" rainfall totals, but a broad swath of 3-4" with local 4-7" amounts is possible
- Rainfall may trend lower farther to the west, with a sharp cut-off in amounts due to drier air over the Southwest and High Plains
- Confidence is lower over most of the eastern states due to uncertainties in how these systems evolve, but some wetting rain is possible, though some areas could remain drier than what is depicted, especially from FL to VA

## Week Two Outlook



- A drier pattern is likely to take shape in the first few days of 2025, while temperatures initially above normal will take a nosedive by late next week
- Abnormally warm and humid conditions will precede a front that may result in above normal precipitation along the Mid-Atlantic coast
- Dry conditions will follow this disturbance, and probabilities for below normal precipitation may increase on today's update
- A period of near-record warmth is in store for TX late in December, but temperatures there should trend cooler, as well